

ABSTRACT OF THE DISCLOSURE

A liquid crystal display device is provided with a pixel area on a substrate having plural gate lines, plural drain lines, plural thin film transistors and plural pixel electrodes
5 corresponding to the plural thin film transistors, and a drive circuit area disposed at a periphery of the substrate and having a drive circuit for driving the plural thin film transistors. The thin film transistor has a polycrystalline silicon semiconductor layer formed on the substrate, a gate electrode
10 formed on the polycrystalline silicon semiconductor layer with a gate insulating film interposed therebetween, an insulating film to cover the polycrystalline silicon semiconductor layer, the gate insulating film and the gate electrode, a drain electrode formed on the insulating film and electrically
15 connected to the polycrystalline silicon semiconductor layer, and a source electrode formed on the insulating film, spaced from the drain electrode and electrically connected to the polycrystalline silicon semiconductor layer. The unevenness of a surface of the polycrystalline silicon semiconductor layer
20 is within 10 % of a thickness of the polycrystalline silicon semiconductor layer.